

"Made available under NASA sponsorship  
in the interest of early and wide dis-  
semination of Earth Resources Survey  
Program information and without liability  
for any use made thereof."

E7.3-11023  
CR-133820

IDENTIFICATION OF GEOSTRUCTURES OF CONTINENTAL CRUST, PARTICULARLY  
AS THEY RELATE TO MINERAL-RESOURCE EVALUATION

Ernest H. Lathram  
U.S. Geological Survey  
Menlo Park, California 94025

4 September 1973

Type I Progress Report for Period 1 July 1973 - 31 August 1973

E73-11023) IDENTIFICATION OF  
GEOSTRUCTURES OF CONTINENTAL CRUST,  
PARTICULARLY AS THEY RELATE TO  
MINERAL-RESOURCE EVALUATION (Geological  
Survey) 3 p HC \$3.00 CSCL 08G

N73-31327

Unclas  
G3/13 01023

Prepared for:

Goddard Space Flight Center  
Greenbelt, Maryland 20771

Type I Progress Report  
ERTS-A

a. Title: Identification of Geostructures of Continental Crust,  
Particularly as They Relate to Mineral-Resource Evaluation

ERTS-A Proposal N.: SR 180

b. GSFC ID No. of P.I.: IN IN 387

c. Statement and explanation of any problems that are impeding the progress of the investigation:

None.

d. Discussion of the accomplishments during the reporting period and those planned for the next reporting period:

Enlarged ERTS images were used in the field in Alaska for mapping purposes and for field-checking previous interpretations, as indicated in the previous (Type II) report. Preliminary reports indicate a high degree of success was achieved, but field men are just returning from Alaska and details will be reported in the next report after analysis of the results.

Systematic study of ERTS images of the area of Alaska north of latitude 64° was begun.

During the next reporting period, the results of the summer field work will be analyzed, the systematic analysis of the northern Alaska images will be largely completed, and a paper will be given on the "Worth of ERTS and Other Satellites in the Effective Development of the Environment" at the Alaska Geological Society Symposium on Resource Development and Environmental Conservation in Anchorage, Alaska.

e. Discussion of significant scientific results and their relationship to practical applications or operational problems including estimates of the cost benefits of any significant results (To be prepared in scientific abstract form of 200 words or less):

None.

f. A listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

None.

g. Recommendation concerning practical changes in operations, additional investigative effort, correlation of effort and/or results as related to a maximum utilization of the ERTS system:

None.

h. A listing by date of any changes in Standing Order Forms:

None.

i. ERTS Image Descriptor Forms:

None.

j. Listing by date of any changed Data Request Forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

None.

k. Status of Data Collection Platforms (if applicable):

Not applicable.